

Title (en)

Process for production of polypropylene sheets or films.

Title (de)

Verfahren zur Herstellung von Polypropylen-Platten oder Folien.

Title (fr)

Procédé pour la fabrication de feuilles ou films en polypropylène.

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EP 0482518 A2 19920429 (EN)

Application

EP 91117789 A 19911018

Priority

JP 28335990 A 19901023

Abstract (en)

The present invention relates to a process for producing a polypropylene resin sheet or film which comprises introducing a polypropylene resin in a film form, which has been extruded from a T-die in a molten state, into a slit through which a cooling water is flowing, passing the polypropylene resin film between nip rolls, and pressing the above obtained sheet or film from both sides thereof under a pressure of at least 5 kg/cm² while heating at a temperature of 155 to 160 DEG C, by the use of a metal belt having a surface roughness of not more than 0.1 μ m. In accordance with the present invention, a sheet or film of a polypropylene resin which is unstretched and is excellent in transparency and surface gloss can be obtained. Furthermore, the sheet or film obtained is good in transparency and surface gloss even when it is thick. In accordance with the present invention, even if the film-forming speed is high, a sheet or film having excellent transparency can be obtained. Furthermore, in the sheet or film obtained, gel and fish eye are not prominent, and the sheet or film is excellent in heat moldability. <IMAGE>

IPC 1-7

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IPC 8 full level

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Cited by

FR2731378A1; AT501157B1; EP0838321A3; EP4190538A1; WO0000342A1; WO2023099733A1

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